



PTO/SB/08a (08-03)

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Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				Application Number	10/686,323
				Filing Date	October 15, 2003
				First Named Inventor	Cruz-Hernandez et al.
				Art Unit	2123
				Examiner Name	Not yet Assigned
Sheet	1	of	1	Attorney Docket Number	IMM 150 (51851-293432)

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
/C.M./	1	EP 0 265 086 B1	07/25/1990	Massey-Ferguson Services, N.V.	X	
/C.M./	2	GB 569,136	05/07/1945	Shell Development Company		
/C.M./	3	GB 1 291 271	10/04/1972	Sud-Aviation Societe Nationale De Constructions Aero- Nautiques		
/C.M./	4	GB 1 372 412	10/30/1974	Girling Limited		

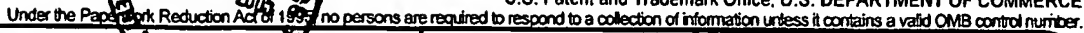
NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

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Substitute for form 1449A/PT

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**Complete if Known**

<b>Application Number</b>	10/686,323
<b>Filing Date</b>	10/15/2003
<b>First Named Inventor</b>	CRUZ-HERNANDEZ et al.
<b>Art Unit</b>	2123
<b>Examiner Name</b>	Not Yet Assigned
<b>Attorney Docket Number</b>	IMM150

Sheet	1	of	2
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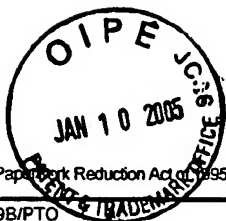
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**SUPPLEMENTAL  
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STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 2

**Complete if Known**

Application Number	10/686,323
Filing Date	10/15/2003
First Named Inventor	CRUZ-HERNANDEZ et al.
Art Unit	2123
Examiner Name	Not Yet Assigned
Attorney Docket Number	IMM150

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/C.M./	4	PCT International Search Report dated January 12, 2004	

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/C.M./		LINDEMANN, R.W. and TEMPLEMAN, J.N., Vibrotactile Feedback For Handling Virtual Contact In Immersive Virtual Environments, In <i>Usability Evaluation and Interface Design: Cognitive Engineering, Intelligent Agents and Virtual Reality</i> , Smith, M.J., Salvendy, G., Hamis, D., and Koubek, R.J. (Eds.) 2001, pp. 21-25.	
/C.M./		LINDEMANN, R.W., TEMPLEMAN, J.N., SIBERT, J.L. and CUTLER, J.R., Handling of Virtual Contact in Immersive Virtual Environments: Beyond Visuals, <i>Virtual Reality</i> (2002) 6:130-139.	
/C.M./		Partial PCT International Search Report dated September 2, 2004	

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 1

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Application Number	10/686,323
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First Named Inventor	Cruz-Hernandez, et al.
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Attorney Docket Number	IMM150

**U.S. PATENT DOCUMENTS**

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		Number - Kind Code <sup>2</sup> (if known)			
/C.M./	1	5,690,582	11/25/1997	Ulrich et al.	

**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

**OTHER DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
/C.M./	2	Lake, "Cyberman From Logitech," GameBytes, 1994
/C.M./	3	NOLL, "Man-Machine Tactile," SID Journal, July/August 1972 Issue
/C.M./	4	ROSENBERG, "Virtual Fixtures: Perceptual Overlays Enhance Operator Performance in Telepresence Tasks," Ph.D. Dissertation, Stanford University, June 1994
/C.M./	5	YAMAKITA et al., "Tele-Virtual Reality of Dynamic Mechanical Model," Proceedings of the 1992 IEEE/RSJ International Conference on Intelligent Robots and Systems, Raleigh, NC, July 7-10, 1992

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Signature

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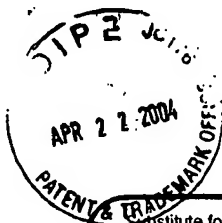
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 9

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Application Number	10/686,323
Filing Date	10/15/2003
First Named Inventor	Cruz-Hernandez, et al.
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		Number - Kind Code <sup>2</sup> (if known)			
/C.M./	1	2,972,140	2/14/1961	Hirsch	
/C.M./	2	3,157,853	11/17/1964	Hirsch	
/C.M./	3	3,220,121	11/30/1965	Cutler	
/C.M./	4	3,497,668	2/24/1970	Hirsch	
/C.M./	5	3,517,446	6/30/1970	Corlyon et al.	
/C.M./	6	3,623,064	11/23/1970	Kagan	
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/C.M./	8	3,903,614	9/9/1975	Diamond et al.	
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/C.M./	20	4,708,656	11/24/1987	De Vries et al.	
/C.M./	21	4,713,007	12/15/1987	Alban	
/C.M./	22	4,758,165	7/19/1988	Tieman, et al.	
/C.M./	23	4,772,205	9/20/1988	Chlumsky, et al.	
/C.M./	24	4,794,392	12/27/1988	Selinko	
/C.M./	25	4,885,565	12/5/1989	Embach	
/C.M./	26	4,891,764	1/2/1990	McIntosh	
/C.M./	27	4,926,879	5/22/1990	Sevrain, et al.	
/C.M./	28	4,930,770	6/5/1990	Baker	
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/C.M./	30	5,019,761	5/28/1991	Kraft	
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**U.S. PATENT DOCUMENTS**

/C.M./	34	5,038,089	8/6/1991	Szakaly	
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/C.M./	67	6,081,536	6/27/2000	Gorsuch, et al.	

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 3 of 9

**Complete if Known**

Application Number	10/686,323
Filing Date	10/15/2003
First Named Inventor	Crúz-Hernandez, et al.
Art Unit	2123
Examiner Name	Not yet assigned
Attorney Docket Number	IMM150

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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/686,323
		Filing Date	10/15/2003
		First Named Inventor	Cruz-Hernandez, et al.
		Art Unit	2123
		Examiner Name	Not yet assigned
Sheet 4 of 9	Attorney Docket Number	IMM150	

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>2</sup> - Number <sup>3</sup> - Kind Code <sup>5</sup> (if known).					
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Examiner Signature	/Calvin Ma/	Date Considered	08/07/2007
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**INFORMATION DISCLOSURE  
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Sheet 5 of 9

**Complete if Known**

Application Number	10/686,323
Filing Date	10/15/2003
First Named Inventor	Cruz-Hernandez, et al.
Art Unit	2123
Examiner Name	Not yet assigned
Attorney Docket Number	IMM150

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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)					
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Sheet 6 of 9

### Complete if Known

Application Number	10/686,323
Filing Date	10/15/2003
First Named Inventor	Cruz-Hernandez, et al.
Art Unit	2123
Examiner Name	Not yet assigned
Attorney Docket Number	IMM150

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Sheet 7 of 9

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Application Number	10/686,323
Filing Date	10/15/2003
First Named Inventor	Cruz-Hernandez, et al.
Art Unit	2123
Examiner Name	Not yet assigned
Attorney Docket Number	IMM150

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Art Unit	2123
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Attorney Docket Number	IMM150

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Sheet 9 of 9

## **Complete if Known**

Application Number 10/686,323  
Filing Date 10/15/2003  
First Named Inventor Cruz-Hernandez, et al.  
Art Unit 2123  
Examiner Name Not yet assigned  
Attorney Docket Number IMM150

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